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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/766,438	01/19/2001	Steven Barritz	P/3704-5	7163

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EXAMINER

LE, KHANH H

ART UNIT	PAPER NUMBER
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3622

DATE MAILED: 06/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/766,438

Applicant(s)

BARRITZ ET AL.

Examiner

Khanh H. Le

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1/19/01
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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Detailed Action

1. This Office Action is responsive to the original application .
Claims 1- 42 are pending in the present application.
Claims 1, 39 are independent.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. **Claims 1, 2-4, 12-14, 17-19, 25-26, 28, 31-32, 34, 36, 37, 39-41 are rejected under 35 U.S.C. 102(b) as being anticipated by Wachob, US 5155591.**

As to claims 1, 39-41, Wachob discloses:

A public broadcasting system involving broadcasting of live program content divided into segments with intervals separating the segments and advertising content provided in the intervals, the system comprising:
a broadcasting facility (see at least Fig. 1 “head-end” and associated text)

for broadcasting the live program content and a plurality of receiving devices for receiving the live program content (see at least col.1 lines 27-30) and for playing the live program content to viewers substantially without delay;

advertising players (see at least Fig. 1 ,item 10 and associated text)
coupled with corresponding ones of the receiving
devices, the advertising players including a facility for receiving and pre-storing the

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advertising content; and

an advertising content inserter operable with the advertising inserter and the receiver for dynamically and interactively inserting portions of the pre-stored advertising content into the live program content being provided to viewers, in a manner that the pre-stored advertising content and the live program content are presented in integrated form to viewers (see at least abstract, Fig. 1 and associated text);

an interface facility that enables viewers to provide viewer profile data to broadcasters (see at least Fig 2, remote control, and associated text)
; and

a facility in the advertising content inserter (see at least col. 6 lines 46-67, the “converter”) that selects segments from the pre-stored advertising to be inserted in the live broadcast based on viewer profile data of respective viewers (see at least abstract, Fig. 1 and associated text) .

As to claims 2-4 (dependent on claim 1), Wachob discloses the broadcasters include point-to-one, point-to-few, point-to-many broadcasters (cable TV can broadcast to an audience of one, of few, or of many).

As to claims 12-14 (dependent on claims 1 and 12), Wachob discloses the insertion of the alternate advertising is effected at an interface facility which is a central facility which is operated outside of viewers' homes (see at least col. lines) or is a gathering device (see at least Fig. 1, “inserter” and associated text)

As to claim 17 (dependent on claim 14) Wachob discloses the gathering device comprises internal storage for storing program content and a facility that plays program content after a delay (see at least Fig. 5, item 60, and associated text: item 60, the inserter can be a VCR). for delay play).

As to claims 18-19 (dependent on claim 12), Wachob discloses the interface facility comprises a device located in the home of the viewer. from a group consisting of setup box, descrambler, VCR, GD, PTV, television receiver, Web browser and Internet appliance (see at least Figs 1, 5 and associated text).

As to claim 25 (dependent on claim 1), Wachob discloses the viewer profile information is communicated to broadcasters via viewer responses to questionnaires. (see at least col. 1 lines 56-58: "surveys").

As to claim 26 (dependent on claim 18), Wachob discloses the viewer profile information is communicated to broadcasters via remote controller messages transmitted to the respective interface facility located at the respective homes of the viewers (see at least col. 1 lines 49-51).

As to claim 28 (dependent on claim 1) Wachob discloses the viewer profile information is communicated to the broadcasters (see at least col.1 lines 48-64).

As to claims 31-32 (dependent on claim 1), Wachob discloses a facility that selects either the program content or the alternate advertising by Cable TV or satellite signals transmitted to addressable converters or by signals transmitted over the air (see at least col. 1 lines 10-14).

As to claims 34, 36 and 37 (dependent on claim 1), Wachob discloses a facility that identifies viewers who are actually viewing program content (see at least col. 3 lines 1-10), detects viewers' presence near a television set (see at least col. 6 lines 11-15), via a remote controller device operable by the viewers (see at least col. 3 lines 1-10).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5, 6-10, 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wachob in view of Garg et al., US 6571216 B1, herein Garg.

As to claim 5 (dependent on claim 1), Wachob discloses does not specifically disclose a facility that sets rewards to viewers who provide viewer profile information but Wachob discloses the user is required to provide his/her profile in order to alter the regular programming with the regular advertising breaks (see at least col. lines), therefore the Wachob's user effectively is rewarded for providing viewer profile information.

Further, Garg discloses a methodology and system allowing a plurality of reward scheme owners to give differential rewards, on different services/products, through a plurality of reward distribution agents, to various users based on provided user profiles. It would have been obvious to one skilled in the art at the time the invention was made to add the rewards setting mechanism as taught by Garg to the Wachob system to allow giving differential and highly relevant products/services rewards in the context of differential ads/program content based on profiles as taught by Wachob.

As to claims 6-10, 21-24 (dependent on claim 5),

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Wachob/Garg does not teach the specific rewards being those recited in the claimed inventions. However, "a facility that sets rewards" in claim 5 is interpreted as a facility that "establishes rewards" (per <http://dictionary.reference.com/search?q=set>, "to set" in this context is "to prescribe or establish") . Thus the "rewards" in claim 5 are values or descriptions of the rewards, and are non-functional descriptive data because nothing in claim 1 or claim 5, on which claims 6-10, 21-24, states how the rewards are processed once they are set or established.

Thus all the limitations in claims 6-10, 21-24, describing what the rewards are comprised of, are non-functional data and therefore do not distinguish the claimed invention. It would have been obvious to one skilled in the art at the time the invention was made to provide any type of rewards in the system taught by Wachob/Garg because the subjective meaning/description/interpretation of the rewards does not patentably distinguish the claimed invention, a broadcasting system.

7. Claims 15, 16, 20, 27, 29-30, 33, 35, 38, 40, and 42 rejected under 35 U.S.C. 103(a) as being unpatentable over Wachob as applied to claims 14 above, and further in view of Herz et al., US 6088722, herein Herz.

As to claim 15 (dependent on claim 14), Wachob does not specifically disclose the gathering device incorporates internal cellular telephone circuitry that automatically communicates with the broadcasters though it discloses telephone circuitry to do the same (see at least col. 8 lines 51-54; col. 10 lines 36-42). Herz, in the same art discloses however that such wireless substitute is well-known.

Consider Herz: "Two main hardware implementations for data collection are described herein with reference to the preferred two-way embodiment: telephone system return and CATV system return. Both of these approaches utilize a "wired" return path for data collection. In addition, those skilled in the art will appreciate that several wireless alternatives for data collection are possible. The specific implementation selected depends upon several variables, including

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the technology in place on the CATV or conventional over air broadcast system, specific polling techniques employed, telephone system flexibility, the required/desired frequency for polling the data, and the level of maintenance employed on the CATV or conventional over air broadcast system. Details of a telephone system implementation are highlighted in FIGS. 5 and 6."

It would have been obvious to one skilled in the art at the time the invention was made to add such wireless capabilities as taught by Herz to Wachob depending on the technology in place as taught by Herz above.

As to claim 16 (dependent on claim 15), Wachob does not disclose internal cellular telephones associated with a plurality of viewers are operated as party line telephones. However, Official Notice is taken that it is well-known to use party line telephones when plural users are involved. It would have been obvious to one skilled in the art at the time the invention was made to add such feature to for the above stated advantage.

As to claim 20 (dependent on claim 1), Wachob does not disclose the broadcasters comprises a video-on-demand provider. However Herz does discloses such as parallel to the cable broadcasters as an alternative provider. It would have been obvious to one skilled in the art at the time the invention was made to add Herz to Wachob for the advantage as cited by Herz.

As to claim 27 (dependent on claim 1) Wachob does not disclose the viewer profile information is communicated to the broadcasters via the Internet or through authorized release of data from financial institutions. Official Notice is taken that it is well-known to use the Internet or authorized releases of data from financial institutions to provide profiles. Therefore it would have been obvious to one skilled in the art at the time the invention was made to add these alternate well-known methods of gathering profile information as Wachob discloses using alternate methods of profiling viewers (see at least col. 1 lines 56-62).

As to claim 33 (dependent on claim 1), Wachob does not disclose an encryption software that encrypts viewers' profile information provided by viewers. However, Official Notice is taken that it is well-known to use encryption on consumers profile information to protect consumer privacy. It would have been obvious to one skilled in the art at the time the invention was made to add such feature to Wachob for the above stated advantage.

As to claim 35 (dependent on claim 34) Wachob does not disclose the facility that identifies viewers includes a voice recognition facility. However, Official Notice is taken that it is well-known to use voice recognition to passively detect user experiencing programs/ads to monitor the effect of the content/ads on users. It would have been obvious to one skilled in the art at the time the invention was made to add such feature to Wachob for the above stated advantage.

As to claim 38 (dependent on claim 1), Wachob does not specifically disclose a central entity that manages viewer profile information in a manner that protects the confidentiality of viewers identities from the broadcasters. However, Official Notice is taken that it is well-known to protect consumers profile information to protect consumer privacy. It would have been obvious to one skilled in the art at the time the invention was made to add such feature to Wachob for the above stated advantage.

As to claims 29, 30 (dependent on claim 1) Wachob does not specifically disclose a facility that selects either the program content or the alternate advertising by means of a server database and by downloading over the Internet. However, in the analogous art, Herz discloses downloading of programs via Internet and thereby suggests use of server database (see at least col. 52 lines 40-50). It would have been obvious to one skilled in the art at the time the invention was made to add Herz's internet storage/ downloading methods to Wachob to extend Wachob's storage/serving capabilities as suggested by Herz.

As to claim 42 (dependent on claim 39), Wachob does not specifically disclose the broadcasters include a radio broadcaster. However, Herz discloses the video, cable broadcasting embodiments are extendable to radio ones (see at least col. 52 lines 30-45).

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It would have been obvious to one skilled in the art at the time the invention was made to add radio to Wachob as Wachob had suggested equivalent broadcasting systems can be used with his invention.

8. Claim 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wachob in view of Scroggie, U.S. 6,014,634, herein Scroggie.

As to claim 11 (dependent on claim 1), Wachob does not specifically but Scroggie does disclose the viewers profile data is provided by viewers in accordance with different levels of specified viewer profile detail so to enable providing different reward levels (see at least col. lines). It would have been obvious to one skilled in the art at the time the invention was made to add this additional feature taught by Scroggie to Wachob to enable providing better targeted ads/incentives as rewards (see Scroggie, abstract).

Conclusion

8. Prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

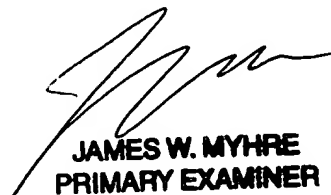
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh H. Le whose telephone number is 703-305-0571. The Examiner works a part-time schedule and can normally be reached on Tuesday-Thursday 9:00-6:00.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Eric Stamber can be reached on 703-305-8469. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9326 for regular communications and 703-872-9327 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113

June 25, 2004

KHL


JAMES W. MYHRE
PRIMARY EXAMINER